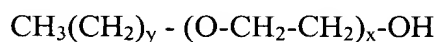
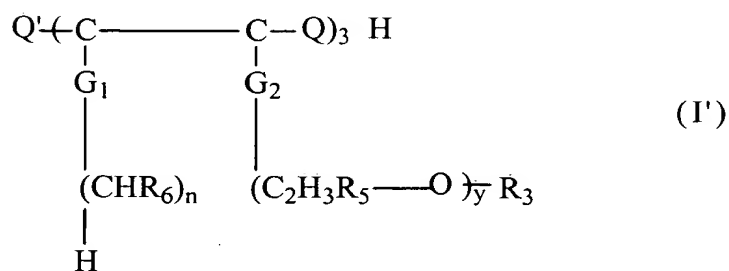
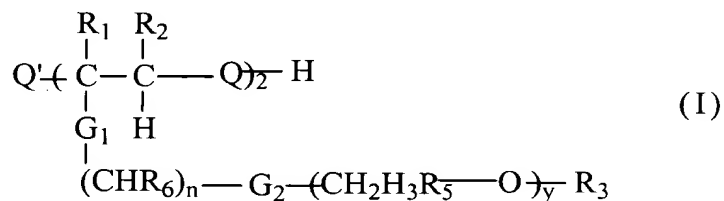


across the blood brain barrier in said mammal and stabilizers/surfactants which allow a release of said physiologically effective substance(s) from said nanoparticles and a passage of said substance(s) across the blood brain barrier separate from the nanoparticles. It is furthermore preferred that said stabilizer/surfactant comprises a substance selected from the group consisting of polysorbates, dextrans, carboxylic acid esters of multifunctional alcohols, polyoxamers, polyoxamines, alkoxyated ethers, alkoxyated esters, alkoxyated mono-, di and triglycerides, alkoxyated phenols and diphenols, substances of the Genapol<sup>R</sup> and Bauki<sup>R</sup> series, metal salts of carboxylic acids, metal salts of alcohol sulfates and metal salts of sulfosuccinates and mixtures of two or more of said substances, wherein said Genapol<sup>R</sup> substances are of the formula



wherein y is in the range of 4 to 18 and x is in the range of 1 to 18,

and said Bauki<sup>R</sup> substances are of the formulas (I) or (I')



in which R<sub>1</sub>, R<sub>2</sub>, R<sub>5</sub> and R<sub>6</sub> are identical or different and represent hydrogen and a methyl or ethyl group,

Q represents a valency, oxygen or an ester or amide bridge and Q' denotes hydrogen if Q represents a valency or oxygen, and is a hydroxyl or amino group if Q represents an ester or amide bridge,